Instructor: Andrea Tamburelli **Time:** MWF 11-11:50am
Office: Hermann Brown Hall 444 **Classroom:** HRZ AMP
Email: at52@rice.edu

Office Hours: Monday 2-3:30pm, Thursday 2:15-3:45pm, or by appointment.

TA Sessions: TBA

Textbook: Farlow, Hall, McDill, West, *Differential Equations & linear algebra*, 2nd Edition Pearson Modern Classic.

Course outline: This course covers the study of some ordinary differential equations (e.g. linear first-order equations, higher-order differential equations with constant coefficients) focusing on methods of solving and on the properties of their solutions. Part of the course will introduce some rudiments of linear algebra (e.g. vector spaces, linear algebraic equations, eigenvalues, eigenvectors, matrices), which will then be applied to the study of first-order linear system of differential equations and the qualitative theory of nonlinear systems.

Homework: Homework is due every week on **Friday** before lecture. Homework is a key part of the course and no late assignments will be accepted for any reason. Homework is not pledged and you are encouraged to collaborate with other students in the class. However, your solutions must be written up individually. For some sections, online quizzes will also be part of the weekly assignments.

Grading: Grades will be based on homework and exams as follows:

Homework:	16 %
Midterm I:	24 %
Midterm II:	24 %
Final exam:	36 %

When computing final course grades, a student's exam scores are normalized against scores of all students in Math 211 this semester, not just those in this section.

Important dates: First day of classes: August 20
Midterm I: September 25
Midterm II: November 1
Last day of classes: November 30
Final: TBA

Warning! It is the policy of the Mathematics Department that no final may be given early to accomodate student travel plans. If you make travel plans that later turn out to conflict with the scheduled exam, then it is your responsability to either reschedule your travel plans or take a zero in the final.

Disability Support: If you have any documented disability that requires academic adjustments or accomodations, please speak with me during the first week of class. All discussions will remain confidential. Students with disabilities will also need to contact Disability Support Services in the Allen Center.

Online sources: The service *Canvas* will be used for this course. Announcements, coursework, etc. will be posted there.